Missouri Weekly Influenza Report
2004-2005 Season[1]

Missouri is reporting "sporadic influenza activity" to the CDC for Week 13[2].
To view weekly maps click here.

TABLE 1. Reported Laboratory-Confirmed Cases by Sub-type
For the Week Ending April 2, 2005 (Week 13)

Serogroups	A (non-typed)	A (H3N2)	A (H1N1)	B	A or B Untyped (rapid test)	Total
Week 13	231	4	0	67	87	389
Season-to-Date*	6,336	78	0	766	3,191	10,371

*The influenza season begins Week 40 (week ending October 9, 2004) and ends Week 20 (week ending May 21, 2005).

TABLE 2. Clusters/Outbreaks of Influenza-like Illness
For the Week Ending April 2, 2005 (Week 13)

Health Region	Central	Eastern	NW	SE	SW	Current Week Total	Season -to- Date 04-05	Season -to - Date 03-04
School Closings	0	0	0	0	0	0	13	16
Community Outbreaks	0	0	0	0	0	0	0	1
Long Term Care or Institutional Outbreaks	0	0	0	0	0	0	8	12
Other Outbreaks	0	0	0	0	0	0	6	0
Season-to-Date by Region	10	4	1	9	3			

TABLE 3. Deaths Involving Pneumonia and/or Influenza (P&I)
Reported During the Week Ending March 26, 2005 (Week 12)*

Week 12	Season-to-Date	Week 12 Last Season	5 Year Weekly Median
135	2,218	141	141

* **Beginning in week 35 of 2003, the number of P & I deaths includes both contributing and underlying cause of death. Prior to that time only deaths for which pneumonia and/or influenza was listed on the death certificate as the underlying cause were counted as P & I deaths. The five-year median has been recomputed using the new method for reporting P & I deaths.**

**TABLE 4. U.S. Influenza Sentinel Provider Surveillance Network (US ISPSN)
Influenza-like Illness (ILI) for the Week Ending March 26, 2005 (Week 12)**

Age 0-4	Age 5-24	Age 25-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
8	4	4	0	16	2,409	0.66%*

*This is below the national baseline of 2.5%.

**TABLE 5. Respiratory Specimens Submitted to SPHL for Viral Testing
For the Week Ending April 2, 2005 (Week 13)**

	Positive Specimens						
	Influenza	Para-influenza	Respiratory Syncytial Virus (RSV)	Adeno-virus	Rhino-virus	Entero-virus	Total Number Specimens Submitted
Week 13	6	0	0	0	0	0	5
Season-to-Date	107	0	1	10	2	1	230

Antigenic Characterization of Missouri Influenza Isolates submitted to CDC by the State Public Health Laboratory

CDC antigenically characterizes a sample of positive Missouri influenza isolates, submitted through the Missouri Department of Health and Senior Services (DHSS), State Public Health Laboratory (SPHL). DHSS has submitted thirty-one influenza isolates this season to CDC for antigenic characterization.

Results Received from CDC:

CDC has antigenically characterized ten of those isolates so far this season. Six were Influenza A/Korea/770/2002-like (H3N2) viruses. The Influenza A/Korea/770/2002-like (H3N2) virus is similar to the A/Fujian/411/2002 reference virus recommended as the H3 component of the 2004-05 vaccine.

Four were Influenza A/California/07/2004-like (H3N2). The Influenza A/California/07/2004-like (H3N2) evolved from the Influenza A/Fujian/411/2002-like virus recently in circulation. The Influenza A/California/07/2004-like (H3N2) strain was recommended as the H3 component for the 2005-06 Northern Hemisphere vaccine.

Data Sources: Laboratory-confirmed cases are reported to DHSS through the passive communicable disease surveillance system. Suspected influenza clusters and outbreaks are reported through the active surveillance system. Pneumonia and influenza deaths are reported through the DHSS Bureau of Vital

Records. Influenza-like illness data by age category and total number of patient visits by week are reported voluntarily by participants in the U.S. Influenza Sentinel Physicians Surveillance Network.

Find Us on the Web

This report may also be found on the DHSS Internet at: http://www.dhss.mo.gov/Influenza/index.html.

National influenza surveillance information is available from the Centers for Disease Control and Prevention at: www.cdc.gov/ncidod/diseases/flu/weekly.htm.

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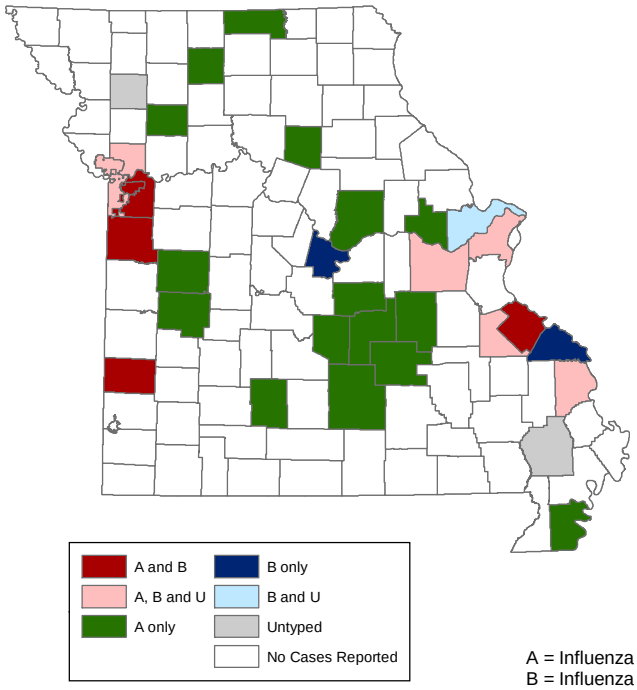
[1] ***All data in this report are provisional and may change as reports are updated.***

[2] ***Influenza activity codes are reported to CDC each Monday.***

Influenza: Weekly Serotypes

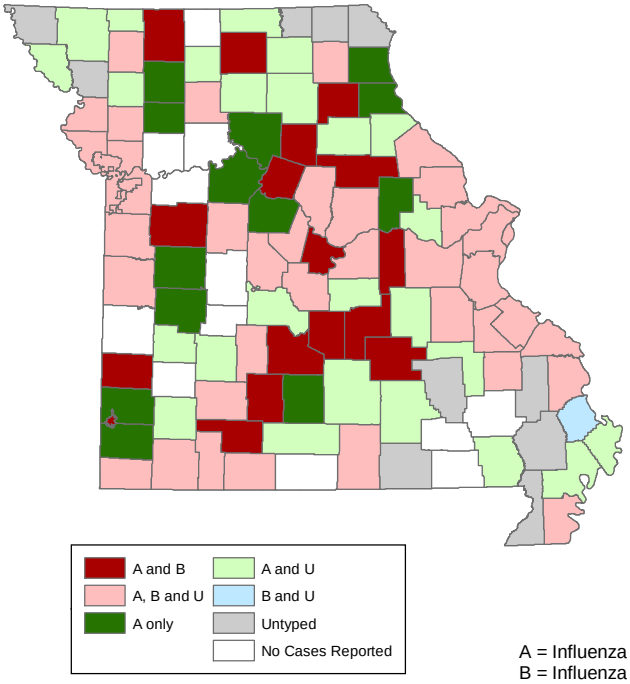
Influenza Season 2004-05, Missouri by County
Confirmed Influenza, Type A, B, or A/B Undifferentiated
Week 13, Ending April 2, 2005



A = Influenza A
B = Influenza B
U = Untyped

Influenza: Season Serotypes

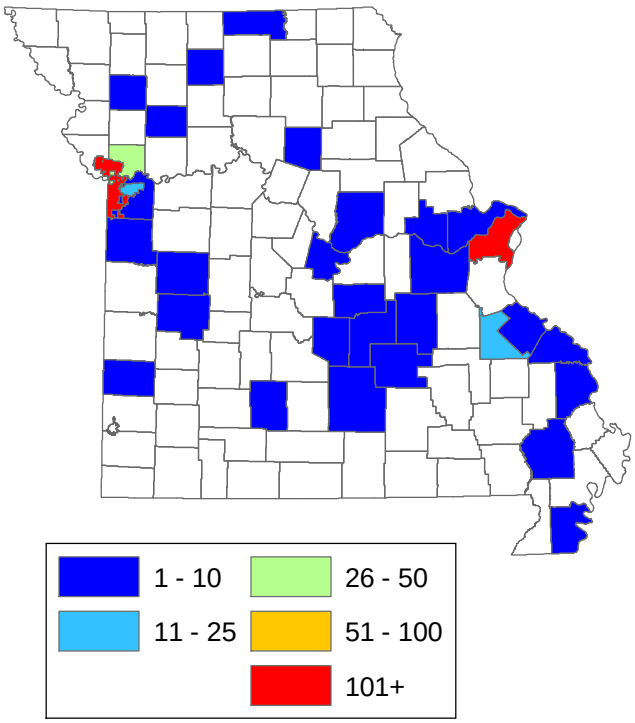
Influenza Season 2004-05, Missouri by County
Confirmed Influenza, Type A, B, or A/B Undifferentiated
Season-to-Date, As of April 2, 2005



A = Influenza A
B = Influenza B
U = Untyped

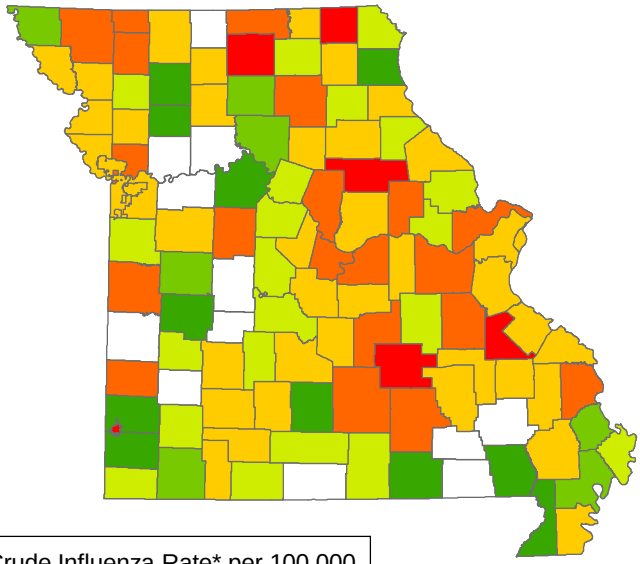
Influenza: Weekly Count

Influenza Season 2004-05, Missouri by County
Confirmed Influenza, Number of Reported Cases, All Types,
Week 13, Ending April 2, 2005



Influenza: Season Rate

Influenza Season 2004-05, Missouri by County
Confirmed Influenza, Rate of Reported Cases, All Types,
Season-to-Date, As of April 2, 2005



NOTE: Class ranges may change from week to week to reflect the growth in rates statewide.

* Rates derived from Census 2000 population figures